



United States Department of the Interior  
NATIONAL PARK SERVICE

Montezuma Castle and Tuzigoot National Monuments  
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IN REPLY TO:  
A2621

October 15, 2010

Memorandum

To: Director, Intermountain Region

From: Superintendent, Montezuma Castle and Tuzigoot National Monuments

Subject: Annual Report FY09 for Montezuma Castle and Tuzigoot National Monuments

Following is the annual narrative report of FY09 for the monuments:

**Superintendent's Office**

There were no major issues facing the monuments. Congressional relations were nominal with the incumbents absorbed with state and national issues elsewhere.

Monument management and staff focused on maintaining existing relationships within the Verde Valley communities and creating new partnerships when possible. Within the monuments, we celebrated the 70<sup>th</sup> Anniversary of Tuzigoot National Monument, which recognized several community leaders. With the new resources management staff, we began making connections with youth groups, including Boys and Girls Clubs, local grade and high schools, and Native Americans. The Superintendent continued as a liaison to the Camp Verde Chamber of Commerce. She continued participating in events organized by this chamber and others for Jerome, Cottonwood, Clarkdale, and Sedona. The Verde Valley wide FAM tour included the monuments. More comments on public relations are given in the sections below.

Relations with Western National Parks Association (WNPA) are excellent. Sales in the monuments continued to increase and in 2009, Montezuma Castle remained among the top three parks for revenue. By adding a full time WNPA person to Tuzigoot for five days per week, sales and variety of items have increased significantly. The local field manager and WNPA offices are informed about the status of the project to renovate the Tuzigoot museum exhibits.

Work continued on accessibility improvements. The sidewalks at the Castle were repaired and modified to reduce and eliminate tripping hazards. Plans for the Tuzigoot museum included accessibility features.

All report and training requirements for law enforcement, fees, and interpretation were met. We were major partners in the annual Verde River Days, Verde Birding and Nature Festival, Sliderock Apple Fest, March Archeological Awareness Month, and Flagstaff Festival of Science. Activities were staff presentations, exhibits, and donations through WNPA funds. Additional activities included National Parks Week, Junior Ranger Day, and Public Lands Day. Interpretation and education activities continued

to grow maintaining a high number of programs and roves. Special programs were given, such as night sky, riparian walks, and bird watching walks. Yearlong events gave us outstanding opportunity to connect with affiliated tribes through cultural demonstrations. Visitors were pleased with the events, which drew many local residents to the monuments.

### **Safety**

The safety program continued to grow with leadership from the collateral duty safety officer and committee, composed of the leadership team and employee representatives. Regular meetings were held and safety messages distributed. Several job hazard analyses were prepared. All employee meetings have a safety message and each leadership team meeting starts with a safety moment. A sample of the completed tasks were: 1) purchased personal protective equipment such as vests, back braces, hard hats, latex and leather gloves, safety shoes, and prescription eyewear, 2) replaced or refilled all first aid kits in all areas, 3) conducted tailgate safety meetings for maintenance staff, and verified incident information under the SMIS program, and 4) improve the Castle entry process.

### **Recreation Fee --FLREA**

The comprehensive plan was completed as a planning tool and later drawn on as a deferred maintenance target. Fee demo deferred maintenance goals were accomplished for Montezuma Castle and for Tuzigoot. There were 11 projects ongoing with some completed in 2009. Most were multi-year projects, which covered work for deferred maintenance, interpretation, and archeological and natural resource preservation. We began the process to meet the 35% carry over threshold goal.

With completion of the fifth version of the comprehensive plan, we continued to have more projects than anticipated funds for the five-year plan. Staff prepared and prioritized quality PMIS statements for maintenance, safety, interpretation, and resource management. For contrast in 2003 there was no current list of projects, fewer projects than funds, no interpretation or resource projects, inadequate narrative and cost details in statements, no prioritized list, and no strategy to implement the recreation fee program.

### **Lands and Water**

The water rights process continued by WASO Water Resources Branch (WRB) hydrologists with support from park staff. Routine measurements were taken with gauges and field measurements to assess and monitor water usage. The WRB has funded several studies on water budget, hydrogeology, groundwater, wells, etc., many of which are finished documents. The WRB also provided staff to advice on Tavaschi Marsh restoration, which included a site visit.

### **Planning**

The general management plan (GMP) continued to go through various draft, be reviewed by IMR and WASO, then circle back around to include new format or information required by WASO. The plan met requirements when started, but with each edit, more is asked for by WASO planning. Park staff completed a review and the DSC team edited the GMP for IMR and WASO review. In FY09 the foundation documentation was added per WASO instructions. The GMP was sent to IMR and WASO for review, which was an extended process. It will not be completed in FY09

The GPRA response was completed on time. We exceeded eight goals, met nine goals, and did not meet two goals.

The Comprehensive Interpretive Plan for Montezuma Castle and Tuzigoot National Monuments, started in 2006, was completed, and implemented.

Resources management plans and environmental compliance for cultural and natural work are described in the relevant sections below. Additionally, all administration, maintenance, and visitor and resource protection, and interpretation reports and plan requirements were met.

## **Administration**

### **Personnel, Staffing, and Position Management**

Numerous personnel actions were done by administration to hire rangers, maintenance staff, and cultural and natural resources positions. We continued to recruit employees using the student employment program hiring authority with the local colleges. A variety of seasonal and term employees were hired for maintenance, interpretation, archeology, and biology jobs. All performance plans were in place by the deadline. Mid-year reviews were completed as required. Evaluations were completed on schedule. All supervisors met the required supervision training. The Superintendent, division chiefs, and supervisors had coaching and supervision training throughout 2009.

### **Fiscal**

The park operating base adjusted budget was \$1,441,000.00. These funds were supplemented by a variety of other funding sources including fee demonstration, volunteer in parks, donations, water resources, and Western National Parks Association. The fiscal year budget was closed within the required amount.

### **Personnel**

The FY09 park staff consisted of eleven permanent full-time, four permanent subject-to-furlough employees, one SCEP employee was converted to permanent subject-to-furlough position, thirteen seasonal employees, four STEP employees, and six term employees. Both of the student programs have used one local university and three local community colleges.

### **Housing**

Housing inspections were performed and work was accomplished in priority order to assure that all housing was listed in good condition. The housing plan is current.

### **Tribal Relationships**

Tribal relations continue to be advanced with the Yavapai Apache Unity Group (high school and college youth group) and the Yavapai Community College

### **Training**

We have increased Telnet training being provided to park employees on subjects such as Safety, Interpretation, and Law Enforcement skills.

## **Maintenance, Facility Management, and Development**

### **All Three Monuments**

1. On a daily basis custodial duties were performed.
2. All trails, roads, and parking lots were kept at a maintainable level.
3. Stayed in compliance with ADEQ on water quality.
4. Upgrade radio system batteries and chargers.

### **Montezuma Well**

1. Maintained irrigation ditch by removing debris. This included removal of fallen trees, dead branches, weeds, and trash.

2. Picnic area was mowed and weeded on a regular basis.
3. The well inlet and outlet were maintained to allow flow of water out of the well to those with water rights.
4. The sewer septic tank and leach field were maintained and kept operational and in compliance. Septic tank was pumped as well, and vault toilets were pumped as needed.
5. Hazardous trees and limbs were identified and many have been removed or pruned.

#### **Montezuma Castle**

1. The wastewater lagoons and lift station were maintained and kept operational and in compliance.
2. Hazardous trees and limbs were identified and many have been removed or slated for removal.
3. New lighting was installed at the MOCA VC and comfort stations.
4. Repairs were made to MOCA VC A/C units.
5. Completed trail repairs project

#### **Tuzigoot**

1. The sewer septic tank and leach field were maintained and kept operational and in compliance.
2. Management trails were maintained in the Tavasci Marsh area.
3. Fire hydrants were tested and maintained, with cooperation from Clarkdale FD.
4. Pest exclusionary treatments were maintained and replaced as needed.
5. Tree at the TUZI entrance road bridge were trimmed

#### **FLREA Projects**

1. Replaced handrails on TUZI trail and installed new handrails at MOWE.

#### **Housing**

Repair, preventative, and recurring maintenance were performed as described below, some of which were funded with cyclic maintenance or repair/rehabilitation funds:

##### Montezuma Castle Residence # 5

1. Blow roof, leaves, branches, and resealing roof.
2. Serviced swamp cooler.
3. New hot water heater installed
4. Planning for the 2011 exterior renovations continue.

##### Montezuma Castle Apartments

1. Grounds were maintained.
2. Custodial was performed prior to new residents moving in.
3. New energy star appliances were purchased and installed.

##### Tuzigoot Residence # 5

1. Grounds were maintained.
2. Roof repairs were performed.
3. Interior renovations and painting were completed.

##### Tuzigoot Residence # 7

1. Grounds were maintained.
2. Roof repairs were performed.
3. Interior renovations and painting were completed
4. Wood stove was removed

##### Montezuma Well Residence # 12

1. Grounds were maintained.

2. Custodial was performed prior to new residents moving in.
3. Old wood fence removed.
4. Septic tank pumped

#### Montezuma Well Residence # 17

1. Grounds were maintained.
2. Custodial was performed prior to new residents moving in.
3. Wooden fence replaced with new chain link fence.
4. Septic tank pumped

### **Training and Meetings**

1. The Facility Manager and Facility Maintenance Assistant attended the Regional Facility Management maintenance meeting.

### **FMSS**

1. FMSS requirements were met.
2. Participated in the regional FMSS Hub.

### **Reports**

1. The fleet report was compiled and submitted to the fleet program coordinator.
2. The energy report was compiled and submitted to the energy coordinator.
3. HAZMAT report on soil at Tuzigoot, where oil tanks were located was completed

### **Administration**

1. Positions: A SCEP GS-05 Facility Maintenance Assistant position was filled.
2. Procured materials, supplies, and tools.
3. Kept track of all purchases made.

### **PEPC**

1. Entered projects information into the system.

### **Support**

1. Provided support to other divisions and WNPA.

### **Equipment/Vehicles**

1. Maintained all vehicles and equipment.
2. Took monthly mileage readings on division vehicles.
3. Turned in gas receipts in a timely manner.
4. Acquired three new reuse "T" vehicles to supplement fleet.
5. Procured reuse Bobcat for use at MOCA.
6. Procured new John Deere riding mower for MOWE.
7. Ordered new two new pickup trucks. One for Ranger division and one for RM division to replace older vehicles.

### **Resource Stewardship**

#### **Staffing**

The resource management division was created in October 2005 in accordance with a recommendation made in a 2004 management assistance review. The division was funded through base increases in 1999 and 2004 that Montezuma Castle and Tuzigoot received through the Vanishing Treasures (VT) program and through Fee Demo/FLREA projects. The base increases were designed to fund three historic

preservation specialists: two masons and a historical architect. In FY 2005 one of the mason positions was converted to an archeologist. The Historical Architect was stationed at Tuzigoot but served all 45 Vanishing Treasures parks in the program. In 2009, the architect still serves these parks and compiles the annual Vanishing Treasures Report.

In April 2009 a Chief of Cultural Resources was hired for North Central Arizona Monuments (including TUZI, MOCA, SUCR, WACA, and WUPA). For TUZI and MOCA one Archaeologist served as the NHPA 106 coordinator and led a crew composed of one term mason (primarily focused on Tuzigoot stabilization), and two STEP archaeology technicians. In March one of the STEPS became a term position, but changed jobs in June to become the NHPA 106 coordinator at FLAG.

FY2009 was a year of transition with a new Chief of Resource Management followed by the merging of the Natural Resources Division with Flagstaff National Monuments. The MOCA/TUZI Ecologist continued for the MOCA/TUZI parks. There were two SCA volunteers and one STEP seasonal based out of MOCA/TUZI. The two Flagstaff Natural Resource Specialists also assisted occasionally with the MOCA/TUZI natural resource projects, while our staff assisted them in kind.

## **Natural Resources**

### Montezuma Well Pasture Restoration

This was the second year of Natural Channel Design's Montezuma Well Pasture Restoration Project funded by Arizona Water Protection Fund. We installed MOWE Pasture Weather Station in December 2008. With Natural Channel Design, we installed MOWE pasture water control structure construction and berm repairs. We also deployed wildlife cameras in MOWE pasture. We conducted summer seeding trials at MOWE pasture ST1, ST2, and Tractor area for a total of approximately a half acre. We additionally completed various invasive plant treatments:

- Invasive plant chemical treatments with Natural Channel Design in October 2008, April 2009, and June 2009 focusing on *Solanum* and *Salsola*
- Mowing/mechanical treatments for invasive plants in September 2009

We had various groups come to visit the Pasture Restoration Project:

- Rehabilitated berms and tractor damage with the TEEN volunteers from the Desert Botanical Garden.
- Presented Pasture Restoration Project to High School Riparian Experience school groups and Weed Management Conference Attendees.

### Tavasci Marsh Activities

- Mosquito trapping season where we captured over 600,000 mosquitoes and prevented them from escaping from the marsh (from summer-November 2008, and May-October 2009)
- The Point Reyes wetland ecologists conducted Wetland Delineation and Condition Assessments and wrote a draft report
- Met with other NPS staff, USFWS, State Parks, and Natural Channel Design in May 2009 to discuss restoration plans
- Gave Tavasci Marsh presentations to Audubon in Sedona, Osher Lifelong Learning Institute in Clarkdale, and Verde River Citizens' Alliance

### Seed Collection

The seed collection activities were extremely successful for all three sites. We collected over 120 gallons gross volume of native seed with 69 plant species. We collected in October-November 2008, and May-September 2009. This year, we also institutionalized Thursday mornings as seed collection days so other divisions can join us. We created a seed collection calendar produced to determine timings as well as a seed collection binder produced for species identification. We used some of the seed to reseed an archeological site, the septic area, and MOWE Maintenance Building perimeter.

#### Montezuma Well 1 Red-eared Slider Turtle Captures

We continued the cooperative project with USGS to capture the invasive red-eared slider turtles at Montezuma Well which are direct competitors with the Sonoran mud turtle. We finished the turtle field work; all but two invasive turtles captured.

#### Invasive Plant Treatments

We had a very active invasive plant treatment year at the three different sites. In November-December 2008, we focused on riparian invasive plant treatments including tamarisk. During spring/summer 2009, we worked on toadflax and riparian herbaceous plant treatments during spring/summer 2009. At Tuzigoot, in May 2009, we chemically treated knapweed. We began experimental chemical treatments for *Kochia* with assistance from the Maintenance Division to test most effective treatments, and also tested different native seeds for revegetation following chemical treatments. To facilitate planning, we charted an invasive plant treatment timing chart. We also mowed *Salsola* at Tuzigoot and labeled hazard trees at Montezuma Well to facilitate mechanical treatment.

#### Integrated Pest Management

With a contractor, we completed of IPM inspection of all buildings and the contractor produced an Action Plan for pest management. We started the Integrated Pest Management Environmental Assessment process through public scoping and the start of the environmental analyses.

We also dealt with bee issues at Montezuma Castle. We sprayed and removed a bee hive at Montezuma Castle Visitor Center area, and removed a bee hive at MOWE with a local bee keeper.

#### Water Resources

Water resource monitoring was an important monthly activity. Monthly water measurements were taken at Wet Beaver Creek, Beaver Creek, and Montezuma Well. We also worked with WASO and regional staff to have NPS to take over USGS Gage at Beaver Creek in Montezuma Castle with Sonoran Desert Inventory & Monitoring Network, WASO Water Resources Division, and a hydrologist's assistance.

#### Grant Writing

We received National Park Foundation First Bloom Grant with Central Arizona Boys and Girls Club (also partnership with Yavapai-Apache Nation) for \$19,030. This project started at the very end of the fiscal year, with a staff member going to training and delineating the location of the Pollinator Garden at Montezuma Well Pasture area. We also received a NRPP-Small Parks Grant for "Prevent additional impacts in MOCA Expansion Lands" for \$40,000.

#### Community Meetings and Events

Staff participated in the Verde Valley Project WET water festival in October 2008. We participated in the Verde River Greenway work day along Verde below TUZI bridge in November 2008 and also in Verde Valley Regional Trails meetings.

#### **Cultural Resources**

##### Archeology and Ruins Preservation Program

The Cultural Resource Division continued two FLREA funded projects during 2009 including stabilization and condition assessment at Montezuma Castle and Tuzigoot National Monuments. Projects included the stabilization of approximately 50 square meters of deteriorated masonry walls at the Tuzigoot Pueblo. Additionally, 21 rooms were documented with photography and condition assessment field forms. At Montezuma Castle, condition assessment and photographic documentation was completed in 20 rooms at the Montezuma Castle and Castle A archeological sites.

The Cultural Resource Division also completed Phase 1 of a two phase VT funded project at the Montezuma Well Unit, Montezuma Castle National Monument. The division mapped 16 archeological sites and completed in depth architectural analysis. Results of the Phase 1 project informed the stabilization treatment completed in 2010.

In addition to funded projects, 47 archeological sites were monitored within the Montezuma Castle and Tuzigoot National Monument boundaries. Sites monitored in 2009 were recorded and entered into the parks' ASMIS (Archeological Sites Management Information System) database.

#### Tribal Relations

The Cultural Resource Division continued to consult with associated Native American Tribes. Consultation occurred with the Hopi Tribe, Zuni Tribe, Yavapai-Apache Nation, Yavapai Prescott Indian Tribe, Gila River Indian Community, Tohono O'odham Nation, Ak-Chin Indian Community and the Salt River Pima Maricopa Indian Community.

Associated Native American Tribes were also given the opportunity to comment on all projects having the potential to impact cultural and ethnographic resources. Additionally, all associated tribes were invited to conduct site visits at all park units. Five tribal members representing one associated tribe visited Tavaschi Marsh on August 18, 2010.

#### Curation

In August 2009, the head curator for FLAG became the circuit rider Curator for MOCA and TUZI. She retrieved the MOCA and TUZI museum records and files from the Western Archeological and Conservation Center (WACC) in Tucson.

She participated in TUZI exhibit meetings, provided TUZI objects to a professional photographer for TUZI exhibit media, transported former TUZI exhibit objects to WACC, and wrote SOWs for the production of a Hopi basket and pot to be used for the TUZI exhibit. She also worked with MOCA Exhibit Specialist and Archeologist with the Coconino National Forest on a plan to display recently discovered ollas at the Wupatki Visitor Center. She evaluated where MOCA and TUZI are in their NAGPRA process, and served on an IMR NAGPRA PMIS evaluation team.

#### Compliance

In 2009, a total of 18 projects were reviewed by the cultural resource staff. Of these, four projects were sent to the Arizona State Historic Preservation Officer for formal review and comment. Additionally, five of 18 projects were sent to the parks' associated Native American tribes for review. Archeological monitoring was conducted on the following projects:

- 24895 Montezuma Well Riparian Restoration, Ditch Conveyance Improvements
- 27140 Repoint Damaged Trail at Montezuma Well Outlet
- 27846 Installation of NOAA HCN-M Weather Station
- 28570 Repair Unsafe Trails and Railings at Montezuma Castle and Tuzigoot National Monuments



Cultural Resource staff also completed clearance surveys in anticipation for the Montezuma Castle NOAA weather station (PEPC 27846) and the Montezuma Castle Interdivisional Maintenance facility. (PEPC 28742).

## **Resource and Visitor Protection and Interpretation and Education**

### **Staffing**

Staffing in the division continued both its normal constants and fluctuations. We made it through one full year with only one change in the permanent staff—that being the transfer of the Lead Visitor Use Assistant to Grand Canyon NP. The Chief Ranger, Supervisory Park Ranger, two Law Enforcement Rangers, and the Lead Interpreter all remained unchanged. Again, the VUA position has been filled through a STEP appointment. Of our four term park guide positions, three of them were filled most of the year. Twelve park guides cycled through the various seasonal and STEP positions during the year. Nine SCAs came to MOCA/TUZI this year, working side-by-side with the Park Guides. Several have moved on to other NPS jobs.

### **Public Use and Fee Collection**

In 2004 a re-survey of visitation patterns at both monuments was completed. The persons-per-vehicle (PPV) survey validated the 2.7 PPV at Tuzigoot and reflected a change in PPV from 3.57 to 2.8 for Montezuma Castle. The new PPV of 2.8 for Montezuma Castle was to have become effective January 2005. Visitation totals reflected a decrease in overall visitation. (Montezuma Well visitation numbers are included in the Montezuma Castle NM figures.)

Visitation figures for each management unit since FY2004 were:

	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>
Montezuma Castle NM	622,912	590,720	608,635	601,129	580,315
Tuzigoot NM	108,830	114,020	108,910	103,280	103,360

Entrance fees were collected from all visitors to the Montezuma Castle and Tuzigoot areas on a per person entry system. In February 2006 admission fees to the monuments increased to \$5 per person, age 16/older, with a combined admission to both monuments for \$8/person. Montezuma Well continued to be free.

A comparison of fees collected since FY2004 showed the following:

	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>
Montezuma Castle	\$ 902,599	\$1,240,686	\$1,364,140	\$1,384,416	\$1,227,665
Tuzigoot	\$ 142,264	\$ 161,588	\$ 169,614	\$ 161,776	\$ 142,461
Total	\$1,044,863	\$1,402,274	\$1,533,754	\$1,546,192	\$1,370,126

### **Law Enforcement**

Protection workload consisted of parking, closure, and recreation fee violations, vandalism, fire alarms, boundary patrols, archeological resource protection, motor vehicle accidents, and visitor injuries.

The Montezuma Well Ranger continued the PARKWATCH program with neighbors. On several occasions, monument neighbors, utilizing the PARKWATCH program, notified the Montezuma Well ranger of incidents occurring within the monument, such as trespassing on foot or with ATVs.

The four commissioned Law Enforcement Rangers all completed their required 40-hour Annual Law Enforcement Refresher hours and qualified with their firearms two times during the calendar year, as required by RM-9.

## Interpretation

Staff at Montezuma Castle, Montezuma Well, and Tuzigoot made 832,785 visitor contacts during all personal services activities offered (per GPRA, this includes all contacts at the front desks, both formal and informal interpretive programs, and off-site activities). Interpretive programs consisted of walks, talks, outreach, demonstrations, exhibits, and the Junior Ranger program. The results of the 2009 Visitor Survey Cards indicated that 96% of monument visitors were satisfied overall with appropriate facilities, services, and recreational opportunities. Additionally, the survey indicated that 89% of monument visitors understood the significance of the sites (the highest rating on this goal in many years).

The visitor guide newspaper, Echoes, was refreshed and updated with new articles, pictures, and maps. The four site bulletins created in FY2004 by the interpretive staff continued to be well received by visitors and were reprinted. Our expanded park website was updated, offering a virtual tour of Montezuma Castle along with more photographs, information, multi-media, and links to commonly requested forms and maps.

The division continued to emphasize its interpretive programs. The knowledge and skills in interpretive training of our lead interpreter have continued to allow us to move forward towards a more professional program. A three-day interpretive training program was offered to all park guides, rangers, and VIP staff, emphasizing thematically based interpretation. Formal interpretive programs included the cultural and natural history of the monuments, the history of the Verde Valley, and hands-on activities demonstrating Native American skills.

On National Junior Ranger Day, held the last Saturday of National Park Week in April, two of the Park Guides developed a special “Scavenger Hunt” program for the kids.

In the chart below, past interpretative services are shown from FY2006 through FY2009. In FY2007, the statistical accounting changed, due to changes in the national Servicewide Interpretive Reporting System (SIRS) program and Montezuma Castle and Montezuma Well statistics were combined. In FY2008, Montezuma Castle and Tuzigoot were combined into one report. Roves/informal interpretation were documented by “total visitors contacted,” rather than the number of roves. Schools are now “Education” and include both the number of programs and the total number of people contacted. In FY07 and 08, Outreach was eliminated and absorbed into other categories, depending on the activity, and Special Events included unusual activities or programs such as the Full Moon Walk at the Well, The Castle after Dark, David Wolfs Robe and his flute, and other after-hours programs. In FY09, these events were back into the Outreach category, and included off-site activities. Demonstrations and Performing Arts include activities such as Archeology Month programs, National Junior Ranger Day, special speakers at the Interpretive Circle, etc.

	FY2006	FY2007	FY2008	FY2009
Talks (Formal) #/attendees	MOCA 507 MOWE 85 TUZI 117	MOCA/MOWE 460/13,503 TUZI 64/950	All units 839/24,264	All units 948/28,612
Roves (Informal)	MOCA 1968 MOWE 726 TUZI 468	MOCA/MOWE 29,016 TUZI 1,346	All units 107,289	All units 114,019
Schools (Education)	MOCA 51 MOWE n/a TUZI 16	MOCA/MOWE 27/1,447 TUZI 1/32	All units 9/376	All units 53/3,394
Outreach	MOCA 6	(no longer used)	(no longer)	All units

	MOWE n/a TUZI 4		used)	12/947
Demonstrations and Performing Arts	n/a	MOCA/MOWE 11/129 TUZI 0/ 0	All units 13/660	All units 231/7,992
Special Events	n/a	MOCA/MOWE 11/1079 TUZI 1/ 36	All units 4/216	(no longer used)
Jr. Ranger Program	n/a	n/a	n/a	All units 3,164

Monument staff participated in eight special community-wide events: Verde Valley Birding and Nature Festival, Verde River Days, March Archeological Awareness Month, the Applefest at Sliderock State Park, the Flagstaff Festival of Science, Old Town Cottonwood celebration, an AZ State tourism day in Camp Verde, and the Native American Culture Festival. Within the monuments, we celebrated the 70<sup>th</sup> Anniversary of Tuzigoot National Monument and hosted the Paipai Tribe from Baja, Mexico. Our Lead Interpreter also participated in a local school career day program, providing information about the benefits of a career with the National Park Service.

The Comprehensive Interpretive Plan for Montezuma Castle and Tuzigoot National Monuments, started in 2006, was completed, and implemented.

The Tuzigoot Museum Renovation project, initiated in FY2004, was originally expected to be obligated this fiscal year. However, changes required to the actual infrastructure of the museum to accommodate the new exhibits, and the associated planning, caused the project's progress to slow down and delay the actual work in the museum for at least one more year. The main emphasis of the project, though, remains unchanged. The project, funded through FLREA, focuses on refreshing and updating the museum exhibits. A term exhibit specialist has guided the project since late 2005. Personnel from the Arizona State Museum (ASM), which the NPS has contracted with for the fabrication and installation of the exhibits, have made numerous trips to consult with monument staff. The creative design and ingenuity of ASM personnel will allow for the reuse of the historic display cabinets and result in the improved display and preservation of the artifacts. The large ollas, historically displayed beneath the exhibits, which were moved to WACC for repair and restoration, have been returned and are in temporary storage awaiting their return to Tuzigoot, where they will again be displayed in the open as part of the new exhibits.

Plans continued to update the wayside exhibits on the Tuzigoot Ruins Trail, the Montezuma Well Trail, and the Montezuma Castle Trail. Another project that progressed was repair and replacement of some of the exhibits in the Montezuma Castle Visitor Center museum. Although the Visitor Center exhibits are relatively new, having been installed in 2003, they are showing signs of premature wear due to an unexpected incompatibility of materials used in the displays. In addition, several of the exhibits were found to be culturally and/or factually incorrect. These projects will continue to be worked on in FY2010 as time permits.

During the summer of 2009, MOCA/TUZI had a local teacher as our Teacher-Ranger-Teacher (TRT). Out TRT developed and ran four, four day/5 hour per day, Jr. Ranger Camps at Montezuma Well. These were well attended by nearly 50 grade school aged children from the local communities.

## **Partnerships**

### **Cooperating Associations**

Montezuma Castle and Tuzigoot NMs are affiliated with the Western National Parks Association. There are two stores operated by the Association. Employees of the Association include a manager, a second full time employee, and four part-time sales clerks. The manager in cooperation with the monuments Superintendent, continued to increase the variety of sales items, adding several new books and other items of interest to the visiting public. In FY09, WNPA continued their increased presence at the Tuzigoot Museum, staffing the store five days per week. The increased staffing and continuity continues to greatly increase sales there. The total sales for these monuments were in the top 5 of WNPA's 65 areas. Gross sales for each outlet in FY2008 were:

Montezuma Castle NM	\$ 566,435.44
Tuzigoot	<u>\$ 111,125.92</u>
Total	\$ 677,561.36

Many park projects and services were completed through the Interpretative Support Account funds. They included the visitor guide newspaper, volunteer support and appreciation, contributions to community events (Verde Valley Birding and Nature Festival, and Verde River Days), Educator's Guide, Junior Ranger program, site bulletins, upgrade of website information, hands-on exhibits, research, staff training, and more.

### **Tribal Relations**

Relationships with the eight tribes having with traditional uses with the monuments continue to get stronger due to increased conversation about projects and management activities. Most interaction was meeting individually with the Hopi, Yavapai-Apache, and Yavapai-Prescott with personal visits. Communications with the Gila River Pima-Maricopa, Salt River Pima-Maricopa, Ak Chin, Tohono O'odham, and Zuni Tribe tend to be by letter or email. Most communications have been around the general management plan, environmental assessments and projects such as improving exhibits for Tuzigoot museum, restoring Tavaschi Marsh and Well pasture, constructing an operations building at Montezuma Well, ruins preservation activities, comprehensive interpretive plan, and invasive plant removal.

Within the monuments, we celebrated the 70<sup>th</sup> Anniversary of Tuzigoot National Monument and hosted the Paipai Tribe from Baja, Mexico.

### **Volunteer In Parks**

Montezuma Castle and Tuzigoot National Monuments had 21 active volunteers who donated 8,550+ hours of time and participated in a wide range of activities, including interpretation, fee collection, administration support, maintenance work, computer support and programming services, water resources monitoring, seed collection, telephone line repair, and safety inspections at all three sites.

Volunteers of Outdoor Arizona returned again this year and contributed 400+ hours of work at Montezuma Well, clearing and cleaning the historic ditch. Youth and school groups added to the volunteer ranks.

In support of the Visitor Services and Resource Protection Division, these volunteers contribute 4,500+ hours, while conducted 141 formal interpretive programs on the resources of the monuments, directly contacting 2,924 visitors. In addition, another 81,710 visitor contacts were made while doing informal interpretation along the trails. The VIPs provided special programs for tour groups, school groups of all ages, and other special visitors, operated the Visitor Centers during staff meetings, opened Montezuma Well when staff shortages occurred, greatly supported the Junior Ranger Program, and made patrols of the trails and "backcountry".

This year, we again recognized our volunteers with both a summer picnic at Montezuma Well and our annual Volunteer Appreciation Christmas Dinner in December.

### **Other Partnerships**

Monument management and staff participated widely in Verde Valley activities held in the various communities by getting involved with local events and conducting more outreach, advertising events, and adding creative interpretative programs, such as night skies and moonlit walks. Our focus has been in Verde Valley, yet we seek opportunities to have partnerships elsewhere in Arizona and beyond. In 2009 the partnerships included, but were not limited to, Cottonwood Chamber of Commerce and Dead Horse Ranch State Park for Verde River Days and Verde Birding and Nature Festival, Saguaro National Park for FMO and wildland fire services, Camp Verde Chamber of Commerce for tourism enhancement, Friends of the Well for the traditional use garden and matters of mutual concern, Yavapai County Public Health Service for mosquito risk abatement, and Freeport McMoran Inc., for mine tailing reclamation, interpretation, Peck's Lake outflow, access, and more. The PARKWATCH program for Montezuma Well connects us with neighbors. The Superintendent has participated in meeting for the adjacent Lake Montezuma Property Owners Association. The program will be extended to Beaver Creek Estates next to Montezuma Castle with the recent land acquisition.

The Superintendent continued to participate as the NPS representative on an interagency, national team for Fire Program Analysis as a member of the Management Advisory Team. The purpose was to provide feedback and represent line, staff, and field during the development and transitioning to FPA budgeting process.

Formal partnerships include WNPA cooperating association for sales, Lions Club and Sedona Recycles for recycling, Volunteers of Outdoor Arizona for projects, Arizona State Museum MOU for exhibit design, and Verde River Basin Partnership for watershed protection. Other partners include the Coconino and Prescott National Forests and Arizona Game and Fish for joint planning, archeology, and common interests, especially with the local districts. The acquisition of Tavaschi Marsh will lead to even more partnering. We have an MOU with the Yavapai Apache Nation MOU for cultural activities and compliance. We have had the Teacher Ranger Teacher program for four years.

### **Permanent Monument Staff**

Superintendent – Kathy Davis  
Administrative Officer – Sherry Wood  
Administrative Assistant – Brab Brutvan  
Chief Ranger – Ed Cummins  
Supervisory Ranger and Castle Ranger – Karen Hughes  
Well Ranger – Rex Vanderford  
Tuzigoot Ranger – John Reid  
Lead Interpreter before August 2008 – Paul Ollig  
Lead Interpreter from September 2008 – Joshua Boles  
Visitor Use Assistant Fee Collection – Richele Richey  
Facility Manager selected in August 2008 – Bill Osterhaus  
Facility Management Assistant – Matt Henderson  
Maintenance Worker – Leonard Ontiveros  
Maintenance Worker – Scott Frisch  
Chief of Resources Management before September 2008 – Randy Skeirik  
Chief of Resources Management from September 2008 – Sharon Kim  
Biologist – Dennis Casper  
Archeologist before May 2008 – John Schroeder

Archeologist from August 2008 – Matt Guebard  
Historical Architect – Randy Skeirik